

## SECTION 01500 — TEMPORARY FACILITIES/CONTROLS AND SITE CLEAN UP

## PART 1 GENERAL

## 1.01 SECTION INCLUDES

- A. Temporary electricity, telephone service, water service, sanitary facilities, and ventilation
- B. Barriers
- C. Traffic control
- D. Protection of installed work
- E. Protection of existing structures and trees
- F. Site security
- G. Progress cleaning and waste removal
- H. Field offices, sheds, and break areas
- I. Removal of utilities, facilities, and controls

## 1.02 REFERENCES

- A. The following documents form a part of these specifications to the extent stated herein.
- B. Bay Area Air Quality Management District (BAAQMD)
- C. American Conference of Governmental Industrial Hygienists (ACGIH)  
ACGIH Industrial Ventilation Manual

## 1.03 TEMPORARY ELECTRICITY

- A. Service: Electrical power will be available in the building for Contractor tools, equipment, and other construction uses.
- B. Conditions:
  - B.1 The Contractor shall bear the expense of connections of electricity from LLNL on site sources.

- B.2 Exercise reasonable care to conserve Government-furnished power and take the following minimal energy conservation measures:
  - B.2.a Turn off all unnecessary construction lights and equipment at the close of each workday.
  - B.2.b Set thermostats in construction office and any other facilities under Contractor control at the following: 78°F for cooling and 65°F for heating.
  - B.2.c Install 7-day time clock on construction offices and any other facilities under Contractor control that will provide for off-hour as well as weekend electrical power shutdown.
- B.3 The Government does not guarantee amounts available nor will the Government be responsible for interruptions in service.
- B.4 Temporary service installed by and for the Contractor shall be removed and utilities restored to their initial condition by the Contractor at the completion of the contract.
- B.5 Provide and maintain the electrical power distribution system downstream of the Government-furnished electrical service.

#### 1.04 TEMPORARY TELEPHONE SERVICE

- A. At the Contractor's option provide, maintain, and pay for telephone service to field office for use by the Contractor and subcontractors. Please see attached appendix E for telephone service contract.
- B. Telephone: A pay telephone is available for the Contractor's use at the Site 200 Westgate Badge Office.

#### 1.05 TEMPORARY WATER SERVICE

- A. Water: Temporary water is available on a limited basis to the Contractor.
  - A.1 Potable water is the responsibility of the Contractor.
  - A.2 Construction water is available with proper connection to existing building hose bibbs. Exercise reasonable care to conserve Government-supplied water.

**1.06 TEMPORARY SANITARY FACILITIES**

Toilet Facilities: Toilet facilities are not available. Provide and maintain portable chemical toilets for use at locations the Government has approved and remove them from the site upon completion of the contract.

**1.07 TEMPORARY VENTILATION**

Ventilate enclosed areas to achieve curing of materials, to dissipate humidity, and to prevent inhalation exposure and potential contamination caused by the generation of dust, fumes, vapors, or gases. Use ventilation to maintain the concentrations of air contaminants below standards applicable at LLNL. Provide ventilation in accordance with ACGIH "Industrial Ventilation Manual."

**1.08 BARRIERS**

- A. Provide and maintain suitable temporary barricades, fences, and other structures as required for the protection of public traffic and employees; provide walks around any obstructions; and maintain on or near the construction, sufficient light to protect all personnel from injury. All barricades shall have electrically operated warning lights during hours of darkness. No open-flame lights will be permitted.
- B. Provide protective closure facilities, such as roofing, canopies, and/or seals at existing buildings where connections or modifications are being made, to prevent the entry of rain and other weather elements so that equipment, facilities and structure are protected and retained in operating condition.
- C. Protect vehicular traffic, LLNL parked vehicles, stored materials, site, and structures from damage.

**1.09 TRAFFIC CONTROL**

- A. Give at least 48 hour notice to the Contracting Officer's Representative (COR) whenever large shipments or deliveries are expected at the jobsite.
- B. Provide full-time flagman whenever heavy equipment or trucks are crossing or entering onto Outer Loop Road.

**1.10 PROTECTION OF INSTALLED WORK**

- A. Protect installed work and provide special protection where specified in individual specification sections.
- B. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.

### 1.11 PROTECTION OF EXISTING STRUCTURES AND TREES

Protect existing structures and all trees and shrubbery to remain against damage. Repair or replace structures, streets, curbs, utilities, and landscaping damaged due to the Contractor's construction activities at no additional cost to the Government. Provide for temporary watering of existing trees and ground cover where existing irrigation is disrupted by construction. Replace damaged or removed irrigation at completion of work.

### 1.12 SITE SECURITY

The construction site is in a "Property Protection" area. The Contractor shall be governed by the provisions and regulations under "Security and Site Access Provisions" of the contract.

### 1.13 PROGRESS CLEANING AND WASTE REMOVAL

Keep the construction area clean at all times and remove accumulated debris, waste materials, and rubbish each day in accordance with the Contractor's solid waste management plan (section 01210 "Environmental Protection"). Assign required manpower to perform clean up and provide dumpsters for rubbish, debris, and nonhazardous waste materials. If, in the opinion of the Government, the jobsite has not been kept clean and orderly and presents a potential safety or fire hazard, the Contractor may be required to stop work in the affected area and immediately correct the defects at no additional cost to the Government, including lost time for clean-up effort. Supply a full-time laborer one day a week for the time the Contractor is performing work on site, to assist in general site clean up. Refer to section 01720 "Project Closeout" for final cleaning.

### 1.14 FIELD OFFICES, SHEDS, AND BREAK AREAS

Provide all temporary storage, office space, and break areas that may be required at the site for the safe and proper storage of tools, materials, and Contractor employee use. Locate these temporary facilities where directed by the COR. Remove them promptly at completion of work.

### 1.15 REMOVAL OF UTILITIES, FACILITIES, AND CONTROLS

- A. Remove temporary utilities, equipment, facilities, and materials prior to final inspection and as directed by the COR.
- B. Remove temporary underground installations to the minimum depth required or as indicated on the subcontract documents. Grade site as indicated or restore to original condition.
- C. Clean and repair damage caused by work or use of temporary work.

- D. Restore existing and permanent facilities used during construction to original condition.

PART 2 PRODUCTS

Not used

PART 3 EXECUTION

Not used

END OF SECTION

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